

PERSONAL
INFORMATION

Prof.Asoc.Dr. Artan Dermaku

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Gender Male | Date of birth 16/04/1975 | Nationality Kosovar / Austrian

WORK EXPERIENCE

01.10.2023 – present
(Full Time)

KADRI ZEKA UNIVERSITY, Gjilan, Kosovo (<https://www.uni-gjilan.net>)

▪ **Rector of the Kadri Zeka University (Full Time)**

Main activities and responsibilities

- Leading with academic deans and faculty to enhance curriculum quality and research activities.
- Managing the overall administration of the university, including financial resources, human resources, and facilities.
- Building and maintaining relationships with external stakeholders, including government bodies, industry partners, and the local community.
- Engaging in fundraising efforts to secure financial support for the university and developing strategies for alumni relations.
- Overseeing student services, addressing student concerns, and ensuring a positive student experience.
- Promoting a culture of research and innovation within the university, supporting faculty and students in their research endeavors.
- Developing and managing the university budget, allocating resources effectively to support academic and administrative functions.

Skills:

- Leadership and strategic planning
- Academic oversight and curriculum development
- Administrative management
- External relations and public relations
- Fundraising and development
- Student affairs and services
- Research promotion and support
- Budgetary oversight and financial management

01.2016 – present

AIO Technology, Kosovo

▪ **CEO and Project manager**

Main activities and responsibilities

- The company is dedicated to providing intelligent solutions in the field of computer science, encompassing various technologies and programming languages for desktop, mobile, and web applications. Its expertise extends to areas such as artificial intelligence, microcontrollers, mechatronic systems, and robotics programming. It strives to deliver innovative solutions that leverage the latest advancements in these domains to meet the unique needs of our clients. The company is dedicated to providing intelligent solutions in the field of computer science, encompassing various technologies and programming languages for desktop, mobile, and web applications. Its expertise extends to areas such as artificial intelligence, microcontrollers, mechatronic systems, and robotics programming. It strives to deliver innovative solutions that leverage the latest advancements in these domains to meet the unique needs of our clients.
- **Skills:** Team Leadership · Strategic Vision · Operations Management · Business Planning · Project Management · Artificial Intelligence (AI) · Microcontrollers · Robotics

04.2013– 01.10.2023
(Full Time)

KADRI ZEKA UNIVERSITY, Gjilan, Kosovo (<https://www.uni-gjilan.net>)

• **Dean of Computer Sciences Faculty (Full Time)**

Main activities and responsibilities

- Leading the Faculty of Computer Sciences by coordinating, managing, and implementing the entire accredited program of the Faculty and University policies. Teaching courses such as :
 - Programming I
 - Programming II
 - Algorithms & Data Structures
 - Object-Oriented Programming
- **Skills:** C# · Python (Programming Language) · Object-Oriented Programming (OOP) · Programming · Data Structures · Algorithms

09.2017 – 07.2018
(Full Time)

KADRI ZEKA UNIVERSITY, Gjilan, Kosovo (<https://www.uni-gjilan.net>)

• **Project Manager**

Main activities and responsibilities

- UMS (University Management System) is a web application (PHP&Laravel, MySQL Database) developed specifically for managing universities. It encompasses 10 different modules, including lectures and exams management, automatic schedule generation for both lectures and exams, a unique CV system for all users, syllabus management, student transfers, lecture evidence, and other essential functionalities. The platform relies on a comprehensive database to store all entities used by the system. The reporting system integrated into UMS generates various types of reports based on the module. These reports include customizable CV academic works reports, syllabus reports, exams and lectures reports, transfer reports, different schedule views, and evidence reports for both lectures and exams. The role involved responsibility for system analysis and business logic. The main tasks encompassed database implementation, system analysis, coding and testing different features, as well as installation and supply. UMS (University Management System) is a web application (PHP&Laravel, MySQL Database) developed specifically for managing universities. It encompasses 10 different modules, including lectures and exams management, automatic schedule generation for both lectures and exams, a unique CV system for all users, syllabus management, student transfers, lecture evidence, and other essential functionalities. The platform relies on a comprehensive database to store all entities used by the system. The reporting system integrated into UMS generates various types of reports based on the module. These reports include customizable CV academic works reports, syllabus reports, exams and lectures reports, transfer reports, different schedule views, and evidence reports for both lectures and exams. The role involved responsibility for system analysis and business logic. The main tasks encompassed database implementation, system analysis, coding and testing different features, as well as installation and supply.
- **Skills:** Teamwork · Team Leadership · Project Management · Laravel · MySQL

08.2016 – 03.2017

Municipality of Pristina, Directorate of Urbanism, Kosovo

Project Manager

Main activities and responsibilities

- TPS (Tracking Permitting System) is a web application (PHP&Laravel, MySQL Database) developed for managing and tracking different permit requests from citizens towards the Directorate of Urbanism. The main feature of this platform is to suggest the optimal and intelligent assignment of permit requests based on the workload and performance of municipality officials. Additionally, a comprehensive reporting system is implemented, which utilizes permit requests stored in the database to provide insights into all phases of the procedures.

Responsibilities included the implementation of the MySQL Database, coding, system analysis, and business logic. The main tasks involved database implementation, system analysis and planning, coding and testing various features, as well as installation and supply. TPS (Tracking Permitting System) is a web application (PHP&Laravel, MySQL Database) developed for managing and tracking different permit requests from citizens towards the Directorate of Urbanism. The main feature of this platform is to suggest the optimal and intelligent assignment of permit requests based on the workload and performance of municipality officials. Additionally, a comprehensive reporting system is implemented, which utilizes permit requests stored in the database to provide insights into all phases of the procedures. Responsibilities included the implementation of the MySQL Database, coding, system analysis, and business logic. The main tasks involved database implementation, system analysis and planning, coding and testing various features, as well as installation and supply.

- Skills:** Teamwork · Project Management · Laravel · MySQL

02.2016- 12.2016
(Full Time)

SIEMENS AG Vienna (CSP INP E&I), Gudrunstrasse 11, 1100 Vienna.

IT-Developer

Main activities and responsibilities

IT-Expert

Simulating and automatization of the Siemens alarming system "PowerCC Tool". This tool is developed from Siemens in order to protect and support Electricity - supply as well as Gas- pipelines and Railway - synchronisation. The system is suitable for municipals utilities, regional distribution network operators and major industrial consumers of energy. This tool provides a support for unmanned control rooms through automatic callout of standby operators. My job was focused on implementing of new features, repairing of errors and testing of tool. The tool (server/client application) is implemented in C++, Visual C++, Visual Basic as well as SQL Server 2005 and works on Windows platform

PUBLIC UNIVERSITY of Prizren, Kosovo

04.2014 – 2016

Dean of Computer Sciences Faculty (Full Time)

Main activities and responsibilities

- Responsible for Coordinating of the whole teaching program, leading university's policies, curricula and syllabus as well as working as Professor whilst supervising Diploma Thesis, seminars and different university projects

01.04.2010 – 01.10.2011
(Full Time)

UNIVERSITY of Prizren (Faculty of Computer Science)

Director of IT-Programs

Main activities and responsibilities

Involved in the teaching process 1. Algorithms and Data-structures 2. Digital Circuits 3. Introduction into Computer Sciences Responsible for coordinating of teaching, making of university politics, curricula and syllabi as well as working as lecturer and supervising of diploma thesis, seminars and university projects.

01.03.2007 –12.2012

UNIVERSITY OF PRISHTINA (Faculty of Technology – FIEK and Faculty of Mathematical and Natural Sciences - Computer Science)

Main activities and responsibilities

- Lecturer and Teaching Assistant
 - Involved in the teaching process
1. Network and Programming in WWW
 2. Software Engineering
 3. Distributed Systems
 4. Algorithms & Datastructures
 5. Computer Graphics
 6. Digital Circuits

01.11.2007 – 01.06.2009

UBT – UNIVERSITY FOR BUSINESS AND TECHNOLOGY, Pristina, Kosovo

Co-Head of Computer Science Faculty

Main activities and responsibilities

- Coordinating of the teaching process and also involving as lecturer in some courses
1. Software Engineering
 2. Algorithms & Datastructures
 3. Artificial Intelligence
 4. Seminars , Proseminars, Lab-Courses

Responsible for coordinating of teaching, making of university politics, curricula and syllabi as well as working as lecturer and supervising of diploma thesis, seminars and university projects

26.03.2007 – 26.10.2007

NLB KASABANK, Prishtina, Kosovo

• **BANK – Department of Information Technology and Card**

Main activities and responsibilities

- M.I.S High - IT Professional Employee (Senior Officer)

• Responsible for designing and generating of Financial Reports of the BANK based on "BASEL 2" standards. The purpose of BASEL 2 is to create an international standard that banking regulators can use when creating regulations about how much capital banks need to put aside to guard against the types of financial and operational risks banks face. The main aims of BASEL 2 were to ensure that capital allocation is more risk sensitive and separating operational risk from credit risk. Activities during implementation were switching of database platforms and preparation of database migrations and at the same time designing and generating of Financial Reports of BASEL 2 (SQL and T-SQL). Other activities were the assisting and maintaining of the reporting system, assisting of the users regarding the reports created through "Business Object" or "Report Generator", development of new reports required from different departments, development of applications which facilities the work of users.

01.04.2004 – 10.04.2006

TU Wien (Vienna University for Technology), Institut für Informationssysteme, 1040 Vienna.
Public University

• **Scientific Project – Research Employee at Vienna University.**

Main activities and responsibilities

Project title: "Complementary Approaches to Constraint Satisfaction". Finding and implementing of the heuristic - approaches in order to solve CSP (Constraint Satisfaction) problems. These problems are very hard to solve efficiently and have an exponential runtime. We found some heuristic algorithms which improves a runtime and gives the results which are near optimal. informatione Currently our approaches are the best known in this area. Implementation was in C++. For more information see: <http://www.science.at/proj/hypertree> and <http://www.science.at/proj/hypertree/part.pdf>

**09.2002 - 02.2004
(Internships)**

SIEMENS AG Vienna,

• **Software Sector**

Main activities and responsibilities

Various Internships at SIEMENS AG Vienna

• Activity description: Development of different algorithms in C++, Visual Basic, Delphi, SQL Server Databases, VBA Macros based on Microsoft Office Version 2003

EDUCATION AND TRAINING

02.2008 – 07.2012 Vienna University of Technology, (TU Wien)

- Doctorate Studies in field of Software-part of Mechatronics and Robotics (Applying of AI and Heuristic Algorithms for finding of optimal-paths)
 - Dr.Techn. , 05.July.2012 Wien Doctorate Thesis: Path recognizing for Mobile and Humanoid Robots through low cost sensors Supervisor: em.o.Univ.Prof. Dipl.-Ing.Dr.techn.Dr.h.c.mult. Peter Kopacek
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02.2005 – 01.2007 Vienna University of Technology (TU WIEN)

Computer Science Faculty

- Master of Science (MSc) , (Dipl.- Engineer), 09.January.2007 Master Thesis: Generalized Hypertree Decomposition based on Hypergraph Partitioning Supervisor : Prof. Dr.Tech.Dipl.-Ing Georg GOTTLOB

09.2003-10.2005 Vienna University of Technology (TU Wien)Double master-studies: 1. Computer Science (Inmformatics)
2. Economic Informatics

- Second Diploma Degree (2.Diplomprüfung) . - for Computer Science (Informatics)
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10.1998-09.2003 Vienna University of Technology (TU Wien)Double master-studies: 1. Computer Science (Inmformatics)
2. Economic Informatics

- First Diploma Degree (1. Diplomprüfung) . - for Informatics
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PERSONAL SKILLS

Mother tongue(s) Albanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					
German	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					
Serbo-Croatian	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[COMMON EUROPEAN FRAMEWORK OF REFERENCE FOR LANGUAGES](#)

Skills and Competences

- Winner of “Fred Margulies Preis 2012” in Austria, for best PhD work in Mecahtronic and Robotics in the last 5 Years in Austria. IFAC (International Federation for Automatic Control) – Austria . 12 October 2012
- Supervision of "Support on upgrading power transmission system to meet the Energy Community Technical Standards” Supply and Installation of IT Systems for Market Operation. Consortium, Ingedia BEP, Ingedia Romania and S.C. Exelectro Engineering S.A. – Prishtine, Local IT-Expert
- Dean of Computer Science Faculty (University of Prizren – Faculty of Computer Science) Coordinating of the teaching process, leader of various researching- projects in Computer Science department.
- Dean of Computer Science Faculty (University of AAB – Faculty of Computer Science) Coordinating of the teaching process, leader of various researching- projects in Computer Science department.
- Co-Head of Computer Science Faculty (UBT- Prishtina) Coordinating of the teaching process, leader of various researching- projects in Computer Science department.
- Head of Kosovo–Robots Team European Soccer Tournament for Robots (15.June – 22.June, Austria and Switzerland). Fourth (4) Position achieved
<http://www.euroby2008.ch/en/pressinfo/euroby-2008>
- Robotics Seminar at University Cassino – Italia 14 – 18 May 2008 Tempus Project TEMPUS PROJECT CD_JEP- 41170-2006 (1244)
- Co-Organization of International Workshop in Mechatronic held in Kosovo (UBT) 4 -6 Juni 2008 Tempus Project TEMPUS PROJECT CD_JEP- 41170-2006 (1244) UBT - Kosovo University for Business and Technology
- Co- Organization of International Conference: Modern Enterprise: Management – Engineering - Computing 6 -7 November 2008 Tempus Project Presentation: Robotics Research at UBT, Artan Dermaku & Edmond Hajrizi TEMPUS PROJECT CD_JEP- 41170-2006 (1244) UBT - Kosovo University for Business and Technology
- Workshop on Graph and Hypergraph Decompositions Presentation: Heuristic Approaches for Hypertree Decomposition, Artan Dermaku and Marko Samer December 16-18, 2004 Vienna, Austria <http://www.dbai.tuwien.ac.at/event/graphdecomp-2004/participants.html>

ADDITIONAL INFORMATION

Publications

17.10.2008**• Heuristic Methods for Hypertree Decomposition (Book Chapter) : Book Chapter : MICAI 2008: Advances in Artificial Intelligence ISBN: 978-3-540-88635-8**

Artan Dermaku, Tobias Ganzow, Georg Gottlob, Ben McMahan, Nysret Musliu and Marko Samer - Heuristic Methods for Hypertree Decomposition Poster: Proceedings of the 7th Mexican International Conference on Artificial Intelligence (MICAI'08),

Journal Link: <http://www.springerlink.com/content/956x0608510652g3/>
<http://www.science.at/proj/hypertree> <http://www.science.at/proj/hypertree/part.pdf>
[International](#)**2008****• CIRAS 2008, (Paper) Fifth International Conference on Computational Intelligence, Robotics and Autonomous Systems AND Publication E325 - Institute of Mechanics and Mechatronics, TUWIEN, Austria**

A.Dermaku, K.Dragusha, E.Hajrizi, P.Kopacek, A.Murati: "Robotsoccer - A Tool for Mechatronics Education Case Study - UBT"; Poster: Ciras 2008, Linz; 06-19-2008 - 06-21-2008; in: "Preprint-Proceedings Ciras 2008 5th International Conference on Computational Intelligence, Robotics and Autonomous Systems", (2008)

JournalLink:<http://ciras2008.servus.at/node/11>) <http://publik.tuwien.ac.at/publist.php?lang=2&Fak=8&inst=1107&func=0&sort=1&zeit=0&num=1&ext=1&authinfo=1&head=%3Clink+rel=International>**02.09.2008****• ALBSHKENCA 11 (Paper)**Arbnor Pajaziti, Artan Dermaku, Arianit Pajaziti
Development of a Set of Use Case and Sequence Diagrams for Understanding the Requirements for the Biometric Passports Management System (April – 2011)

Journal Links:

<http://www.innov.org/A>[International](#)**11.2012****• SWH – Suedwestdeutscher-Verlag Book , October 2012, Germany ISBN 978-3-8381-3229-7**Artan Dermaku.
"Path recognizing for Robots through low-cost sensors" From Mobile and Humanoid Robot perception model up to simulation of several heuristic approaches for path planning.

Journal Links:

<http://www.innov.org/A>[International](#)**2013****• Springer, Vienna 2013, Online ISSN 1613-7620, DOI 10.1007/s00502-013-0132-6**

A. Dermaku, Xh.Bajrami "Two new heuristic approaches for optimal path calculation on occupancy grid map" Springer, Online ISSN 1613-7620, Vienna , Springer 2013

Journal Links:

<http://link.springer.com/article/10.1007/s00502-013-0132-6>[A](#)[International](#)

2013

• IFAC Workshop: Supplemental Ways for Improving International Stability 6-8 June 2013

Xh. Bajrami , A. Dermaku, A. Shala and R. Likaj

"Kinematics and dynamics modelling of the biped robot" , IFAC 2013

Journal Links: <http://www.ifac-papersonline.net/Detailed/62235.html>

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[International](#)

• 6th IFAC Conference on

Xhevahir Bajrami and Artan Dermaku and Nysret Demaku

2015

• Technology, Culture and International Stability Sozopol, Bulgaria

"Artificial Neural Fuzzy Logic Algorithm for Robot Path Finding " , IFAC 2015

This paper is currently under review.

[International](#)

01.09.2007

• Master Thesis: "Generalized Hypertree Decomposition based on Hypergraph Partitioning";

Artan Dermaku.

"Generalized Hypertree Decomposition based on Hypergraph Partitioning"; Supervisor: G. Gottlob, N. Musliu; Institut für Informationssysteme, Arbeitsbereich Datenbanken & Artificial Intelligence, Vienna 2007; final examination: 01-09-2007

Journal Links:

<http://www.dbai.tuwien.ac.at/research/pubs/index.html>

<http://www.dbai.tuwien.ac.at/proj/hypertree/publications.html>

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[International](#)

ANNEXES

Documents will be annexed if it is required

